Daily Diary Report by Bid Item

Contract No.: **04-0120F4**

Diary #: **444** **Const Calendar Day:** 805 **Date:** **22-Nov-2011** **Tuesday**
Inspector Name: **Bruce, Matt** **Title:** **Transportation Engineer**
Inspection Type: Continuous
Shift Hours: 07:00 am 03:30 pm **Break:** 00:30 **Over Time:**
Federal ID:
Location:
Reviewer: **Mathur, Lalit** **Approved Date:** **Status:** Submit

04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge

Weather

Temperature **7 AM** 40 - 50 **12 PM** 50 - 60 **4PM** 50 - 60
Precipitation 0.00" **Condition** Overcast to partly overcast

Working Day ☐ If no, explain:

Diary:

Dispute ☐

Work description.

- Assisted the District 4 surveyors/scanners Robert Dolan and Juan Barahona with scanning the SAS bridge from the top of the tower saddle. The two points occupied and backsighted on the tower saddle were points 'Y' and 'Z'. These were the same points used for the tower pullback survey. This scan will be merged with the scan done yesterday and potentially other scans in the future. Once again the intent was to test the capabilities of the Leica scanner for scans on the tower and cable. The scanning images taken today will be used as part of a compilation to capture the SAS bridge before and after load transfer.

The scan began at 9:20am and ended at 11:00am. The ambient temperature range was 48F to 55F during the survey with overcast to partly overcast skies. The steel temperatures were taken on the tower saddle and OBG w/an infrared temperature gun at the following locations:

  - Setups #1 & 2 @ Y and Z where the maximum steel temperature was 50F on the tower saddle in the shade
  - Post survey on the E-Line OBG where the maximum steel temperature was 77F in the sun

- Began to review scanning images taken today.
- Conducted a presurvey with Robert and Juan for a future scan of the Shear Keys and Bearings at the E2 cap beam, strategies were discussed, and the line of sight was evaluated for the scanner and total station.
- It should be noted that the Hinge K pipe beam protective covers were still over the end points to be surveyed.

Attachment

Commecial airline jet flying at a low altitude close to the YBITS project

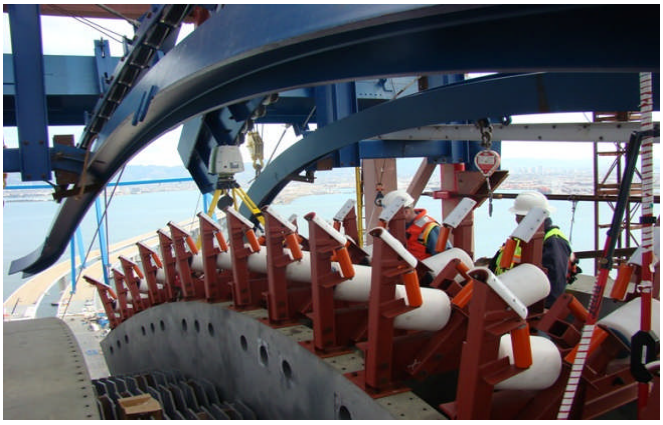
due to inclimate weather.

View of the Leica scanner while scanning on occupied tower saddle point Z.

District 4 scanners/surveyors Robert and Juan reviewing scanning images taken from point Y on the tower saddle.

ABF ironworkers assembling the E-Line east saddle frame.

ABF ironworkers continuing to work on the south end of the W2 cap beam preparing for cable erection.



In the process of scanning the SAS from point Z on the tower saddle while backsighting point Y.